

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 11-240998

(43)Date of publication of application : 07.09.1999

(51)Int.Cl.

C08L 53/00
C08K 5/10

(21)Application number : 10-043147

(71)Applicant : JSR CORP

(22)Date of filing : 25.02.1998

(72)Inventor : KONNO TOMOHISA
KOSHIMURA KATSUO
YASUDA KENJI

(54) BLOCK COPOLYMER COMPOSITION

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a block copolymer composition having a high degree of swelling for an ester compound and excellent in liquid holding properties and, on the other hand, excellent in mechanical strength or shape retaining properties.

SOLUTION: This block copolymer composition contains a block copolymer comprising a segment A containing 10-100 mol.% of a polar monomer selected from a polar monomer 1 having (1) a polymerizable unsaturated bond and a functional group selected from hydroxy group, nitrile group, carboxyl group, amino group and amide group, a polar monomer 2 represented by the formula $\text{CH}_2=\text{CR}_1-\text{COO}-(\text{CH}_2-\text{CHR}_2-\text{O})_t-\text{R}_3$ [R_1 and R_2 are each hydrogen atom or a 1-5C alkyl group; R_3 is a 1-5C alkyl group or phenyl group; t is a number of repetition and an integer of 1-25] and a polar monomer 3 represented by the formula $\text{CH}_2=\text{CR}_4-\text{COO}-(\text{C}_m\text{H}_{2m}-\text{COO})_n-\text{R}_5$ [R_4 is a 1-5C alkyl group; R_5 is a 1-10C alkyl group or phenyl group; n and m are each a number of repetition and an integer of 1-20] as constituent components and a segment B containing <10 mol.% of the polar monomer as a constituent component and (2) an ester compound.